

Appl. No. 10/517,538
Response Accompanying
RCE

Page 3 of 13

1. Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A method for generating position information in a mobile equipment provided with at least two position determination devices, the method comprising the following steps:

- allocating to each position determination device at least one stored parameter value,
- determining a context information,
- depending on the context information, choosing a corresponding position determination device selection process based on the value of said at least one parameter for each position determination device,
- selecting a position determination device according to the chosen selection process, and
- activating said selected position determination device
- identifying a position data format as requested by an application,
- determining whether a currently active position determination device supplies data according to this format, and,
- in the negative, converting the position data supplied by the currently active position determination device into the requested position data format.

2. (Original) A method according to claim 1, wherein at least two stored parameter values are allocated to each position determination device.

3. (Original) A method according to claim 2, wherein said stored parameter values include at least one among an accuracy value, a response time value and a power consumption value.

NXP.0038

Atty. Docket No. FR020701

Appl. No. 10/517,538
Response Accompanying
RCE

Page 4 of 13

4. (Previously Presented) A method according to 3, wherein the step of selecting a position determination device comprises the sub-steps of:

- ranking the position determination devices depending on the chosen selection process, and
- selecting an available position determination device of best rank.

5. (Cancelled).

6. (Currently Amended) A method according to 1, wherein position data include physical position data and logic position data.

7. (Original) A method according to claim 6, wherein physical position data include Cartesian coordinates and longitude/latitude and possibly altitude coordinates.

8. (Original) A method according to claim 6, wherein logic position data include radiofrequency beacon identifiers.

9. (Previously Presented) A method according to claim 8, wherein the conversion step comprises reading from a table physical coordinates corresponding to at least one beacon identifier.

10. (Previously Presented) A mobile equipment having data processing capabilities, comprising:

- at least two position determination devices each capable of delivering position information of the mobile equipment in a specific format,
- at least two drivers for said position determination devices, each driver being capable of storing and retrieving at least one parameter associated with the position determination device,

NXP.0038

Atty. Docket No. FR020701

Appl. No. 10/517,538
Response Accompanying
RCE

Page 5 of 13

- a location handling unit in communication with said drivers and capable of communicating with an application for providing position information, said location handling unit being capable of selecting a position determination device to be used for obtaining position information based on a context information and on the values of said parameters stored in the drivers wherein each driver is capable of storing and retrieving at least two different parameters and said location handling unit is adapted to receive a context message from said application and a priority of parameters is established as a function of said context message.

11. (Original) A mobile equipment according to claim 10, wherein said position determination devices are selected from the group comprising cell-based positioning devices, satellite-based positioning devices and beacon-based positioning devices.

12. (Cancelled).

13. (Previously Presented) A mobile equipment according to claim 10, wherein said parameters comprise at least two among a position accuracy parameter, a response time parameter and a power consumption parameter.

14. (Cancelled).

15. (Previously Presented) A mobile equipment according to claim 10, wherein said location handling unit comprises a ranking means capable of storing a set of position determination devices with a preference order according to the parameter(s) of higher priority.

16. (Original) A mobile equipment according to claim 15, wherein said location handling unit comprises an availability checking means for checking whether a preferred position determination device in said set is available or not and, in the negative, for checking the next preferred position determination device.

NXP.0038

Atty. Docket No. FR020701

Appl. No. 10/517,538
Response Accompanying
RCE

Page 6 of 13

17. (Previously Presented) A mobile equipment according to claim 10, wherein said location handling unit is capable of providing to said application position data together with accuracy information relating to said data.
18. (Previously Presented) A mobile equipment according to claim 10, further comprising a position data conversion unit in communication with said location handling unit.
19. (Original) A mobile equipment according to claim 18, wherein said location handling unit is responsive to data format requirement information provided by the application for requesting conversion by said position data conversion unit.
20. (Currently Amended) A mobile equipment according to claim 19, further comprising a position history unit capable of storing a plurality of position data together with time/date information.

NXP.0038

Atty. Docket No. FR020701